

FURTHER ADDITIONS TO THE BRYOFLOA OF MT. KATAHDIN, MAINE

F. J. HERMANN

On August 19, 1963 I had an opportunity to make the ascent of Mt. Katahdin via the Abol Trail, returning by way of the Appalachian Trail, and as a result of this and an earlier partial climb as far as Chimney Pond was able to report the addition of 20 mosses and 2 hepatics to the 86 bryophytes previously known from the mountain (77 reported by Kennedy and Collins, 5 by Lorentz and 4 by Lowe). The following year a second ascent, on August 28, via the Appalachian and Saddle Trails, and a hike up South Turner Mt. (essentially a spur of Katahdin) on September 1, resulted in the further addition of 21 unrecorded bryophytes (14 Musci and 7 Hepatics) which are here recorded to bring the total now known from Mt. Katahdin up to 129. As with the previous year's collections, a set has been deposited in the U. S. National Herbarium and duplicates of most have been distributed to several other major herbaria. To avoid repetition of habitat data the species are listed according to collecting sites.

Tundra on plateau, Baxter Peak Cutoff, 4600 ft.:

Dicranum muehlenbeckii BSG., 19594.

Cephalozia ambigua Massal., 19594 $\frac{1}{2}$. Although Frye and Clark recorded this species from only "Ellesmere Isl.; Pim Island; Southern Appalachian Mts., Europe," it is probably more widely distributed than supposed, very likely being generally overlooked because of its minute size. It was found to be plentiful, for instance, at the edge of melting snowbanks on Mt. Baker, Washington.

Vertical face of granite boulder, Saddle Trail, 3500 ft.:

Ptilidium pulcherrimum (Web.) Hampe, 19601 $\frac{1}{2}$.

Humus on granite ledge above Katahdin Falls, 1700 ft.:

Sharpiella striatella (Brid.) Iwats., 19571.

Plagiothecium denticulatum (Hedw.) BSG., 19573.

Wet, shaded bank of Katahdin Stream below Falls:

Calypogeia meylanii Buch, 19568.

Cephalozia bicuspidata (L.) Dumort., 19570.

Pellia fabroniana Raddi, 19567.

Vertical face of granite boulder in woods, Appalachian Trail, 3000 ft.:

Trichostomum tenuirostre (Brid.) E. G. Britt., 19581.

Boggy swale in Thuja-Betula woods on SE shore of Sandy Stream Pond, 1500 ft.:

Calliergon stramineum (Brid.) Kindb., 19621.

Dicranodontium denudatum (Brid.) E. G. Britt., 19623. An unusually wet habitat for this species.

Drepanocladus exannulatus (BSG.) Warnst., 19618.

Rhizomnium pseudopunctatum (Bruch & Schimp.) Kopon., 19620.

Chiloscyphus pallescens (Ehrh.) Dumort., 19619½.

Pellia epiphylla (L.) Corda, 19619.

Gravelly trail through open woods, South Turner Mt.:

Brachythecium starkei (Brid.) B. & G., 1600 ft., 19624.

Bryum pallens (Web. & Mohr) Brid., 2200 ft., 19632.

Hypnum haldanianum Grev. (*Heterophyllum haldaneanum* (Grev.) Kindb.), 2600 ft., 19633½.

In pool along trail, South Turner Mt., 1600 ft.:

Dichelyma falcatum (Hedw.) Myr., 19624.

Drepanocladus fluitans (Hedw.) Warnst., 19625.

Granite boulder along trail, South Turner Mt., 1800 ft.:

Rhacomitrium heterostichum var. **affine** (Schleich.) C. Jens., 19627.

FOREST SERVICE HERBARIUM

U. S. DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C.

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